tni :lonal Application No PC I / EP 2004/001069

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02P7/635 H02P7/62 H02P21/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 HO2P Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category 9 Relevant to claim No. X US 5 907 228 A (BORNARD GUY ET AL) 1-20 25 May 1999 (1999-05-25) column 1, line 34 - column 8, line 54; figures 1-3 LIXIN TANG ET AL: "A new direct torque A control strategy for flux and torque ripple reduction for induction motors drive by using space vector modulation" 17 June 2001 (2001-06-17), 32ND. ANNUAL IEEE POWER ELECTRONICS SPECIALISTS CONFERENCE. PESC 2001. CONFERENCE PROCEEDINGS. VANCOUVER, CANADA, JUNE 17 -21, 2001, ANNUAL POWER ELECTRONICS SPECIALISTS CONFERENCE, NEW YORK, NY : IEEE, US, PAGE(S) 1440-1445, XP010559431 ISBN: 0-7803-7067-8 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. X X Special categories of cited documents : \*T\* tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention \*E\* earlier document but published on or after the international \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. \*O\* document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 12 October 2004 19/10/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Davis, A

INTERNATIONAL SEARCH REPORT 11 Rec'd PCT/PIDA DIS AUG 2006

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Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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US 5907228	A	25-05-1999	FR	2749717 A1	12-12-1997
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## PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference WO 38951	FOR FURTHER ACTION as we	see Form PCT/ISA/220 ell as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP2004/001069	05/02/2004	
Applicant		
HONEYWELL INTERNATIONAL I	NC	
This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searching Aut ansmitted to the International Bureau.	thority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
X It is also accompanied by	a copy of each prior art document cited in this	s report.
Basis of the report     With regard to the language, the language in which it was filed, unit	international search was carried out on the ba ess otherwise indicated under this item.	isis of the international application in the
The international this Authority (Ru	search was carried out on the basis of a transle 23.1(b)).	lation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.
2. Certain claims were four	nd unsearchable (See Box II).	
3. Unity of invention is lack	king (see Box III).	
4. With regard to the <b>title</b> ,		
X the text is approved as sul	omitted by the applicant.	
the text has been establish	ned by this Authority to read as follows:	
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- Mith regard to the shatters		
<ul> <li>With regard to the abstract,</li> <li>The text is approved as sub.</li> </ul>	mitted by the applicant	
the text has been established	ed, according to Rule 38.2(b), by this Authority the date of mailing of this international search	y as it appears in Box No. IV. The applicant h report, submit comments to this Authority.
. With regards to the drawings,		
a. the figure of the drawings to be put	olished with the abstract is Figure No1	
X as suggested by the	•	<del></del>
	Authority, because the applicant failed to sugg	
as selected by this A  b. none of the figures is to be p	Authority, because this figure better characteri.  published with the abstract.	zes the invention.
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International Application No PCT/EP2004/001069

A. CLASS IPC 7	SIFICATION OF SUBJECT MATTER H02P7/635 H02P7/62 H02P2	1/00	
According	to International Patent Classification (IPC) or to both national class	sification and IPC	
B. FIELDS	SEARCHED		
Minimum d IPC 7	ocumentation searched (classification system followed by classification sy	ication symbols)	
Documenta	ation searched other than minimum documentation to the extent ti	nat such documents are included in the field	ds searched
Electronic o	data base consulted during the international search (name of data	a base and, where practical, search terms	used)
EPO-In	ternal		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category •	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to daim No.
x /	US 5 907 228 A (BORNARD GUY ET 25 May 1999 (1999-05-25) column 1, line 34 - column 8, l figures 1-3	•	1-20
A	LIXIN TANG ET AL: "A new direct control strategy for flux and tripple reduction for induction drive by using space vector mod 17 June 2001 (2001-06-17), 32N IEEE POWER ELECTRONICS SPECIALI CONFERENCE. PESC 2001. CONFEREN PROCEEDINGS. VANCOUVER, CANADA, 21, 2001, ANNUAL POWER ELECTRON SPECIALISTS CONFERENCE, NEW YOR IEEE, US, PAGE(S) 1440-1445, X ISBN: 0-7803-7067-8	orque motors ulation" D.ANNUAL STS CE JUNE 17 – ICS K, NY :	9
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'A' document conside	egories of cited documents : at defining the general state of the art which is not red to be of particular relevance	"T" later document published after the is or priority date and not in conflict we clied to understand the principle or invention	ith the application but
'E" earlier do filing da	ocument but published on or after the international te	"X" document of particular relevance; the cannot be considered novel or can	e claimed invention
which is citation	t which may throw doubts on priority claim(s) or cled to establish the publication date of another or other special reason (as specified) at referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cannot be considered to involve an	document is taken alone e claimed invention inventive step when the
other me P* documen	eans t published prior to the international filling date but	document is combined with one or ments, such combination being obv in the art.	ious to a person skilled
	n the priority date claimed tual completion of the international search	*&* document member of the same pate  Date of mailing of the international si	
12	October 2004	19/10/2004	
lame and ma	illing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL - 2280 HV Rijswijk ' Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Davis, A	

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